

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/548,368DATE: 02/08/96
TIME: 14:34:09

INPUT SET: S8602.raw

**This Raw Listing contains the General
Information Section and up to the first 5 pages.**

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: Wiley, Steven R.
Goodwin, Raymond G.

(ii) TITLE OF INVENTION: Cytokine that Induces Apoptosis

(iii) NUMBER OF SEQUENCES: 9

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Kathryn A. Anderson, Immunex Corporation

(B) STREET: 51 University Street

(C) CITY: Seattle

(D) STATE: WA

(E) COUNTRY: USA

(F) ZIP: 98101

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: Apple Macintosh

(C) OPERATING SYSTEM: Apple 7.1

(D) SOFTWARE: Microsoft Word, Version 5.1a

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US --to be assigned--

(B) FILING DATE: 01-NOV-1995

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/496,632

(B) FILING DATE: 29-JUN-1995

(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Anderson, Kathryn A.

(B) REGISTRATION NUMBER: 32,172

(C) REFERENCE/DOCKET NUMBER: 2835-A

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (206) 587-0430

(B) TELEFAX: (206) 233-0644

(C) TELEX: 756822

RAW SEQUENCE LISTING PATENT APPLICATION US/08/548,368

 DATE: 02/08/96
 TIME: 14:34:13

INPUT SET: S8602.raw

47 (2) INFORMATION FOR SEQ ID NO:1:

48

49 (i) SEQUENCE CHARACTERISTICS:

50 (A) LENGTH: 1751 base pairs

51 (B) TYPE: nucleic acid

52 (C) STRANDEDNESS: single

53 (D) TOPOLOGY: linear

54

55 (ii) MOLECULE TYPE: cDNA to mRNA

56

57 (iii) HYPOTHETICAL: NO

58

59 (iv) ANTI-SENSE: NO

60

61

62 (vii) IMMEDIATE SOURCE:

63 (B) CLONE: huAIC

64

65 (ix) FEATURE:

66 (A) NAME/KEY: CDS

67 (B) LOCATION: 88..933

68

69

70 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

71

72 CCTCACTGAC TATAAAAGAA TAGAGAAGGA AGGGCTTCAG TGACCGGCTG CCTGGCTGAC 60

73

74 TTACAGCAGT CAGACTCTGA CAGGATC ATG GCT ATG ATG GAG GTC CAG GGG 111

75 Met Ala Met Met Glu Val Gln Gly

76 1 5

77

78 GGA CCC AGC CTG GGA CAG ACC TGC GTG CTG ATC GTG ATC TTC ACA GTG 159

79 Gly Pro Ser Leu Gly Gln Thr Cys Val Leu Ile Val Ile Phe Thr Val

80 10 15 20

81

82 CTC CTG CAG TCT CTC TGT GTG GCT GTA ACT TAC GTG TAC TTT ACC AAC 207

83 Leu Leu Gln Ser Leu Cys Val Ala Val Thr Tyr Val Tyr Phe Thr Asn

84 25 30 35 40

85

86 GAG CTG AAG CAG ATG CAG GAC AAG TAC TCC AAA AGT GGC ATT GCT TGT 255

87 Glu Leu Lys Gln Met Gln Asp Lys Tyr Ser Lys Ser Gly Ile Ala Cys

88 45 50 55

89

90 TTC TTA AAA GAA GAT GAC AGT TAT TGG GAC CCC AAT GAC GAA GAG AGT 303

91 Phe Leu Lys Glu Asp Asp Ser Tyr Trp Asp Pro Asn Asp Glu Glu Ser

92 60 65 70

93

94 ATG AAC AGC CCC TGC TGG CAA GTC AAG TGG CAA CTC CGT CAG CTC GTT 351

95 Met Asn Ser Pro Cys Trp Gln Val Lys Trp Gln Leu Arg Gln Leu Val

96 75 80 85

97

98 AGA AAG ATG ATT TTG AGA ACC TCT GAG GAA ACC ATT TCT ACA GTT CAA 399

99 Arg Lys Met Ile Leu Arg Thr Ser Glu Glu Thr Ile Ser Thr Val Gln

RAW SEQUENCE LISTING PATENT APPLICATION US/08/548,368

 DATE: 02/08/96
 TIME: 14:34:16

INPUT SET: S8602.raw

100	90	95	100	
101				
102	GAA AAG CAA CAA AAT ATT TCT CCC CTA GTG AGA GAA AGA GGT CCT CAG			447
103	Glu Lys Gln Gln Asn Ile Ser Pro Leu Val Arg Glu Arg Gly Pro Gln			
104	105 110 115 120			
105				
106	AGA GTA GCA GCT CAC ATA ACT GGG ACC AGA GGA AGA AGC AAC ACA TTG			495
107	Arg Val Ala Ala His Ile Thr Gly Thr Arg Gly Arg Ser Asn Thr Leu			
108	125 130 135			
109				
110	TCT TCT CCA AAC TCC AAG AAT GAA AAG GCT CTG GGC CGC AAA ATA AAC			543
111	Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly Arg Lys Ile Asn			
112	140 145 150			
113				
114	TCC TGG GAA TCA TCA AGG AGT GGG CAT TCA TTC CTG AGC AAC TTG CAC			591
115	Ser Trp Glu Ser Ser Arg Ser Gly His Ser Phe Leu Ser Asn Leu His			
116	155 160 165			
117				
118	TTG AGG AAT GGT GAA CTG GTC ATC CAT GAA AAA GGG TTT TAC TAC ATC			639
119	Leu Arg Asn Gly Glu Leu Val Ile His Glu Lys Gly Phe Tyr Tyr Ile			
120	170 175 180			
121				
122	TAT TCC CAA ACA TAC TTT CGA TTT CAG GAG GAA ATA AAA GAA AAC ACA			687
123	Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu Glu Ile Lys Glu Asn Thr			
124	185 190 195 200			
125				
126	AAG AAC GAC AAA CAA ATG GTC CAA TAT ATT TAC AAA TAC ACA AGT TAT			735
127	Lys Asn Asp Lys Gln Met Val Gln Tyr Ile Tyr Lys Tyr Thr Ser Tyr			
128	205 210 215			
129				
130	CCT GAC CCT ATA TTG TTG ATG AAA AGT GCT AGA AAT AGT TGT TGG TCT			783
131	Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg Asn Ser Cys Trp Ser			
132	220 225 230			
133				
134	AAA GAT GCA GAA TAT GGA CTC TAT TCC ATC TAT CAA GGG GGA ATA TTT			831
135	Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln Gly Gly Ile Phe			
136	235 240 245			
137				
138	GAG CTT AAG GAA AAT GAC AGA ATT TTT GTT TCT GTA ACA AAT GAG CAC			879
139	Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser Val Thr Asn Glu His			
140	250 255 260			
141				
142	TTG ATA GAC ATG GAC CAT GAA GCC AGT TTT TTC GGG GCC TTT TTA GTT			927
143	Leu Ile Asp Met Asp His Glu Ala Ser Phe Phe Gly Ala Phe Leu Val			
144	265 270 275 280			
145				
146	GGC TAA CTGACCTGGA AAGAAAAAGC AATAACCTCA AAGTGACTAT TCAGTTTTCA			983
147	Gly *			
148				
149				
150	GGATGATACA CTATGAAGAT GTTTCAAAAA ATCTGACCAA AACAAACAAA CAGAAAACAG			1043
151				
152	AAAACAAAAA AACCTCTATG CAATCTGAGT AGAGCAGCCA CAACCAAAAA ATTCTACAAC			1103

RAW SEQUENCE LISTING PATENT APPLICATION US/08/548,368

DATE: 02/08/96
TIME: 14:34:19

INPUT SET: S8602.raw

```

153
154 ACACACTGTT CTGAAAGTGA CTCAC TTATC CCAAGAAAAT GAAATTGCTG AAAGATCTTT 1163
155
156 CAGGACTCTA CCTCATATCA GTTTGCTAGC AGAAATCTAG AAGACTGTCA GCTTCCAAAC 1223
157
158 ATTAATGCAA TGGTTAACAT CTTCTGTCTT TATAATCTAC TCCTTGTAAG GACTGTAGAA 1283
159
160 GAAAGCGCAA CAATCCATCT CTCAAGTAGT GTATCACAGT AGTAGCCTCC AGGTTTCCTT 1343
161
162 AAGGGACAAC ATCCTTAAGT CAAAAGAGAG AAGAGGCACC ACTAAAAGAT CGCAGTTTGC 1403
163
164 CTGGTGCAGT GGCTCACACC TGTAATCCCA ACATTTTGGG AACCCAAGGT GGGTAGATCA 1463
165
166 CGAGATCAAG AGATCAAGAC CATAGTGACC AACATAGTGA AACCCCATCT CTACTGAAAG 1523
167
168 TGCAAAAATT AGCTGGGTGT GTTGGCACAT GCCTGTAGTC CCAGCTACTT GAGAGGCTGA 1583
169
170 GGCAGGAGAA TCGTTTGAAC CCGGGAGGCA GAGGTTGCAG TGTGGTGAGA TCATGCCACT 1643
171
172 ACACTCCAGC CTGGCGACAG AGCGAGACTT GGTTTCAAAA AAAAAAAAAA AAAAAAACTT 1703
173
174 CAGTAAGTAC GTGTTATTTT TTTCAATAAA ATTCTATTAC AGTATGTC 1751
175
176

```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 281 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

```

188 Met Ala Met Met Glu Val Gln Gly Gly Pro Ser Leu Gly Gln Thr Cys
189   1           5           10           15
190
191 Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys Val Ala
192   20           25           30
193
194 Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met Gln Asp Lys
195   35           40           45
196
197 Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu Asp Asp Ser Tyr
198   50           55           60
199
200 Trp Asp Pro Asn Asp Glu Glu Ser Met Asn Ser Pro Cys Trp Gln Val
201   65           70           75           80
202
203 Lys Trp Gln Leu Arg Gln Leu Val Arg Lys Met Ile Leu Arg Thr Ser
204   85           90           95
205

```

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/548,368DATE: 02/08/96
TIME: 14:34:23

INPUT SET: S8602.raw

206 Glu Glu Thr Ile Ser Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro
207 100 105 110
208
209 Leu Val Arg Glu Arg Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly
210 115 120 125
211
212 Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu
213 130 135 140
214
215 Lys Ala Leu Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly
216 145 150 155 160
217
218 His Ser Phe Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile
219 165 170 175
220
221 His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe
222 180 185 190
223
224 Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln
225 195 200 205
226
227 Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys
228 210 215 220
229
230 Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr
231 225 230 235 240
232
233 Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile
234 245 250 255
235
236 Phe Val Ser Val Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala
237 260 265 270
238
239 Ser Phe Phe Gly Ala Phe Leu Val Gly
240 275 280
241

(2) INFORMATION FOR SEQ ID NO:3:

242
243
244 (i) SEQUENCE CHARACTERISTICS:
245 (A) LENGTH: 1521 base pairs
246 (B) TYPE: nucleic acid
247 (C) STRANDEDNESS: single
248 (D) TOPOLOGY: linear
249
250 (ii) MOLECULE TYPE: cDNA to mRNA
251
252 (iii) HYPOTHETICAL: NO
253
254 (iv) ANTI-SENSE: NO
255
256
257 (vii) IMMEDIATE SOURCE:
258 (B) CLONE: HuAIC-dv

RAW SEQUENCE LISTING PATENT APPLICATION US/08/548,368

DATE: 02/08/96
TIME: 14:34:27

INPUT SET: S8602.raw

***** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

177 (2) INFORMATION FOR SEQ ID NO:2:

178

179 (i) SEQUENCE CHARACTERISTICS:

180 (A) LENGTH: 281 amino acids

181 (B) TYPE: amino acid

182 (D) TOPOLOGY: linear

183

184 (ii) MOLECULE TYPE: protein

185

186 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

187

188 Met Ala Met Met Glu Val Gln Gly Gly Pro Ser Leu Gly Gln Thr Cys

189 1 5 10 15

190

191 Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys Val Ala

192 20 25 30

193

194 Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met Gln Asp Lys

195 35 40 45

196

197 Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu Asp Asp Ser Tyr

198 50 55 60

199

200 Trp Asp Pro Asn Asp Glu Glu Ser Met Asn Ser Pro Cys Trp Gln Val

201 65 70 75 80

202

203 Lys Trp Gln Leu Arg Gln Leu Val Arg Lys Met Ile Leu Arg Thr Ser

204 85 90 95

205

206 Glu Glu Thr Ile Ser Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro

207 100 105 110

208

209 Leu Val Arg Glu Arg Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly

210 115 120 125

211

212 Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu

213 130 135 140

214

215 Lys Ala Leu Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly

216 145 150 155 160

217

218 His Ser Phe Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile

219 165 170 175

220

221 His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe

222 180 185 190

223

RAW SEQUENCE LISTING PATENT APPLICATION US/08/548,368

DATE: 02/08/96
TIME: 14:34:30

INPUT SET: S8602.raw

```

224  Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln
225  195                      200                      205
226
227  Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys
228      210                      215                      220
229
230  Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr
231  225                      230                      235                      240
232
233  Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile
234  245                      250                      255
235
236  Phe Val Ser Val Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala
237      260                      265                      270
238
239  Ser Phe Phe Gly Ala Phe Leu Val Gly
240  275                      280
241

```

336 (2) INFORMATION FOR SEQ ID NO:4:

337

338 (i) SEQUENCE CHARACTERISTICS:

339 (A) LENGTH: 101 amino acids

340 (B) TYPE: amino acid

341 (D) TOPOLOGY: linear

342

343 (ii) MOLECULE TYPE: protein

344

345 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

346

```

347  Met Ala Met Met Glu Val Gln Gly Gly Pro Ser Leu Gly Gln Thr Cys
348      1                      5                      10                      15
349

```

```

350  Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys Val Ala
351      20                      25                      30
352

```

```

353  Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met Gln Asp Lys
354      35                      40                      45
355

```

```

356  Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu Asp Asp Ser Tyr
357      50                      55                      60
358

```

```

359  Trp Asp Pro Asn Asp Glu Glu Ser Met Asn Ser Pro Cys Trp Gln Val
360      65                      70                      75                      80
361

```

```

362  Lys Trp Gln Leu Arg Gln Leu Val Arg Lys Thr Pro Arg Met Lys Arg
363      85                      90                      95
364

```

```

365  Leu Trp Ala Ala Lys
366      100
367

```

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/548,368

DATE: 02/08/96
TIME: 14:34:34

INPUT SET: S8602.raw

Line	Error	Original Text
27	Wrong application Serial Number	(A) APPLICATION NUMBER: US --to be assigned--

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/548,368DATE: 02/08/96
TIME: 13:23:57

INPUT SET: S8602.raw

Does Not Comply
Corrected Diskette Needed**This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.**

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Wiley, Steven R.
Goodwin, Raymond G.

(ii) TITLE OF INVENTION: Cytokine that Induces Apoptosis

(iii) NUMBER OF SEQUENCES: 9

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Kathryn A. Anderson, Immunex Corporation
(B) STREET: 51 University Street
(C) CITY: Seattle
(D) STATE: WA
(E) COUNTRY: USA
(F) ZIP: 98101

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: Apple Macintosh
(C) OPERATING SYSTEM: Apple 7.1
(D) SOFTWARE: Microsoft Word, Version 5.1a

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US --to be assigned--
(B) FILING DATE: 01-NOV-1995
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/496,632
(B) FILING DATE: 29-JUN-1995
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Anderson, Kathryn A.
(B) REGISTRATION NUMBER: 32,172
(C) REFERENCE/DOCKET NUMBER: 2835-A

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (206) 587-0430
(B) TELEFAX: (206) 233-0644
(C) TELEX: 756822

INPUT SET: S8602.raw

46

ERRORED SEQUENCES FOLLOW:

177 (2) INFORMATION FOR SEQ ID NO:2:

178

179 (i) SEQUENCE CHARACTERISTICS:

180 (A) LENGTH: 280 amino acids

181 (B) TYPE: amino acid

182 (D) TOPOLOGY: linear

183

184 (ii) MOLECULE TYPE: protein

185

186 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

187

188 Met Ala Met Met Glu Val Gln Gly Gly Pro Ser Leu Gly Gln Thr Cys

189 1 5 10 15

190

191 Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys Val Ala

192 20 25 30

193

194 Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met Gln Asp Lys

195 35 40 45

196

197 Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu Asp Asp Ser Tyr

198 50 55 60

199

200 Trp Asp Pro Asn Asp Glu Glu Ser Met Asn Ser Pro Cys Trp Gln Val

201 65 70 75 80

202

203 Lys Trp Gln Leu Arg Gln Leu Val Arg Lys Met Ile Leu Arg Thr Ser

204 85 90 95

205

206 Glu Glu Thr Ile Ser Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro

207 100 105 110

208

209 Leu Val Arg Glu Arg Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly

210 115 120 125

211

212 Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu

213 130 135 140

214

215 Lys Ala Leu Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly

216 145 150 155 160

217

218 His Ser Phe Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile

219 165 170 175

220

221 His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe

222 180 185 190

281 are
shown.
Is one an
extra?

Please
review
H
edit

RAW SEQUENCE LISTING PATENT APPLICATION US/08/548,368

DATE: 02/08/96
TIME: 13:24:03

INPUT SET: S8602.raw

```

223
224  Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln
225          195                      200                      205
226
227  Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys
228      210                      215                      220
229
230  Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr
231  225                      230                      235                      240
232
233  Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile
234          245                      250                      255
235
236  Phe Val Ser Val Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala
237          260                      265                      270
238
239  Ser Phe Phe Gly Ala Phe Leu Val Gly * ← Stop codon here.
240          275                      280      Computer deleted & mistakenly
241                                     adjusted (A) length field

```

(2) INFORMATION FOR SEQ ID NO:4:

337

338

(i) SEQUENCE CHARACTERISTICS:

339

(A) LENGTH: 100 amino acids

340

(B) TYPE: amino acid

341

(D) TOPOLOGY: linear

342

343

(ii) MOLECULE TYPE: protein

344

345

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

346

Met Ala Met Met Glu Val Gln Gly Gly Pro Ser Leu Gly Gln Thr Cys

348

1

5

10

15

349

Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys Val Ala

351

20

25

30

352

Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met Gln Asp Lys

354

35

40

45

355

Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu Asp Asp Ser Tyr

357

50

55

60

358

Trp Asp Pro Asn Asp Glu Glu Ser Met Asn Ser Pro Cys Trp Gln Val

360

65

70

75

80

361

Lys Trp Gln Leu Arg Gln Leu Val Arg Lys Thr Pro Arg Met Lys Arg

363

85

90

95

364

Leu Trp Ala Ala Lys *

365

100

366

367

← a stop codon was here

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/548,368DATE: 02/08/96
TIME: 13:24:06*INPUT SET: S8602.raw*

Line	Error	Original Text
27	Wrong application Serial Number	(A) APPLICATION NUMBER: US --to be assigned--
180	Entered (281) and Calc. Seq. Length (282) differ	(A) LENGTH: 281 amino acids
239	Stop Codon at end of sequence removed - no error	
339	Entered (101) and Calc. Seq. Length (102) differ	(A) LENGTH: 101 amino acids
365	Stop Codon at end of sequence removed - no error	

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 08/548,368

CRF Processing Date: 2/8/96
 Edited by: MB
 Verified by: MB (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: Deleted stop codon @ end of seq. 274

ENTERED

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95